|  | 10/790,084                 |             |  |                |        |  |          |                | KOJIMA ET AL. |          |          |                 |                |          |          |            |     |
|--|----------------------------|-------------|--|----------------|--------|--|----------|----------------|---------------|----------|----------|-----------------|----------------|----------|----------|------------|-----|
|  | Examiner                   |             |  |                |        |  |          |                | Art Unit      |          |          |                 |                |          |          |            |     |
|  |                            |             |  | Arnold Castro  |        |  |          |                |               |          |          | 7               |                |          |          |            |     |
|  | ATTOIL CASITO              |             |  |                |        |  |          |                | 3747          |          |          |                 |                |          |          |            |     |
| [  |                            | Г           |  |                |        | _  | г        |                | <del></del>   |          |          |                 |                |          |          |            |     |
| √ Rejected                               | √ Rejected _ (Through nume |             |  |                |        | lon-E  | lecte    | ed             |               | .        | Appeal   |                 |                |          |          |            |     |
| 110,000                                  | Cancelled                  |             |  | N Non-Ele      |        |  |          |                | Ŀ             | A        |          |                 |                |          |          |            |     |
| •  | 1.1                        | Dogatelatad |  |                |        | - 4 <b>6</b> -                                   |          |                |               |          | Objected |                 |                |          | -        |            |     |
| = Allowed                                | Allowed ÷ Restricted       |             |  | I Interference |        |  |          |                |               |          | Objected |                 |                |          |          |            |     |
|  |                            |             |  |                |        |  |          |                | L             |          |          |                 |                |          |          |            |     |
| Claim Date                               |                            | Claim       | C  | ate            |        |  | ] [      | Clair          | n             |          |          | C               | ate            | )        |          |            | ]   |
|  |                            | <u></u>     |  |                |        |  |          |                | <del>-</del>  |          |          | П               | - {            |          | T        |            |     |
| Final Original                           | 111                        | Final       |  |                |        |  |          | Final          | Original      |          |          |                 | - {            | -1       |          |            |     |
| Final Original                           | 111                        | L   S       |  |                |        |  |          | ш              | ਨੋਂ           |          |          |                 | - [            |          |          |            |     |
| 1 1 = 1                                  | +++                        | 51          |  | $\dashv$       | +      |  | 1 ト      |                | 01            | +        | +        | $\vdash$        | 十              | 十        | +        | +          | 1   |
| 2 2 1                                    |                            | 52          |  | T              | 1      |  | 1        |                | 02            | $\top$   | 1        | П               | T              | 寸        | $\top$   | +          | 1   |
| 3 3 11 1 1 1                             |                            | 53          |  |                |        |  | ] [      | 1              | 03            |          |          |                 |                |          |          |            | ]   |
| 9 4                                      | +                          | 54          |  | 4              | 4_     | igspace  | ↓        |                | 04            | 4        | 4_       | Ш               | _              | 4        | _        |            | 1   |
| 19 5                                     |                            | 55<br>56    | - -  | +              |        |  | ┨┞       |                | 05            | +        | +        | $\vdash$        |                | -+       | +        | +-         | -   |
| 15 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ++-                        | 57          | $\vdash$   | +              | +      |  | ┨┞       | -   -          | 06<br>107     | +        | +        | $\vdash$        | +              | $\dashv$ | $\dashv$ | ╁          | 1   |
| 17 8                                     | <del>     </del>           | 58          | $\vdash$   | $\dashv$       | +      | $\vdash \vdash$                                  | ┨        |                | 08            | +        | +-       | $\vdash$        | -              | $\dashv$ | +        | +          | 1   |
| 19 9                                     |                            | 59          |  | 丁              | 工      |  | ] [      | 1              | 109           | 丁        | 工        |                 | ゴ              |          | 士        | ╧          | ]   |
| 16 10                                    |                            | 60          |  |                |        |  | ] [      |                | 10            |          |          | Ц               |                | $\Box$   | $\perp$  |            | ]   |
| 11 11                                    |                            | 61          |  |                | _      |  | ┧┟       |                | 11            | +        | +-       | $\sqcup$        | -              | $\dashv$ | $\dashv$ | -          | -   |
| 12 12 13 13                              | +                          | 62          | $\vdash \vdash \vdash$                           |                |        | $\vdash$   | ┨╏       |                | 12            | +        | +        | H               | <del>-  </del> | -        | $\dashv$ | +-         | -   |
| 4 14                                     | +++                        | 64          |  | +              | ╁      | ╂┼┼  | ┨╏       |                | 14            | +        | +        | $\vdash$        | $\dashv$       | $\dashv$ | +        | ┿          | 1   |
| 5 15                                     | 111                        | 65          |  | _              | $\top$ | $\vdash$   | 1        | 1              | 15            | 十        | +        | $\vdash$        | $\dashv$       | 寸        | 十        | $\top$     | †   |
| 6 16                                     |                            | 66          |  |                |        |  | ] [      | 1              | 16            |          |          |                 |                |          |          |            | ]   |
| 7 17                                     | +                          | 67          |  | _              | _      | $\sqcup \bot$                                    | ↓ L      |                | 17            | 4        | 4_       | Ш               | _              | _        | _ _      |            |     |
| 8 18 /                                   | +++                        | 68<br>69    |  | +              | ┼      | $\vdash$   | ┨┞       |                | 18            | +        | +        | $\vdash$        |                |          | $\dashv$ | +          | ł · |
| 20 20 =                                  | ++-                        | 70          |  | +              | ╁      | $\vdash\vdash$                                   | ┨┞       |                | 19            | +        | +        | Н               | -              |          | ╌┼       |            | -   |
| 21                                       | +                          | 71          |  | $\dashv$       | +      |  | 1 F      | 1              | 21            |          |          | ╀┤              | $\dashv$       | 一        | 十        | +          | 1   |
| 22                                       |                            | 72          |  |                |        |  | 1 [      | 1              | 22            | 十        | 1        | П               | $\neg$         | $\neg$   | 十        |            | 1   |
| 23                                       |                            | 73          |  |                |        |  | ] [      |                | 23            |          |          | П               |                | $\Box$   | $\Box$   | _ _        |     |
| 24                                       | +                          | 74          |  | -              | +-     |  | ┨┝       | $-\frac{1}{2}$ | 24            | +        |          | $\sqcup$        |                | -        | +        | $\perp$    |     |
| 25 26                                    | ++-                        | 75<br>76    |  | +              | +-     |  | ┨┞       |                | 25<br>26      | +        | +        | $\vdash$        |                |          | +        | +          | -   |
| 27                                       | <del>       </del>         | 77          |  |                | +      |  | 1 }      | - 1            | 27            | +        | +        | $\vdash$        | +              | $\dashv$ | ┰        | +          | -   |
| 28                                       | $\top$                     | 78          |  | _              |        |  | 1        | 1              | 28            | 十        | 十一       | П               | 7              | 寸        | 十        | $\top$     | 1   |
| 29                                       |                            | 79          |  | $\Box$         | $\Box$ |  | ] [      | <b>1</b>       | 29            | $\Box$   | $\perp$  | П               | $\Box$         | $\Box$   |          | $\perp$    | ]   |
| 30                                       | <del></del>                | 80          | $\longrightarrow$                                | - -            | - -    |  | ┧┟       |                | 30            | 4        | 4        | Ш               | _              |          | 4        | _          | 1   |
| 31 32                                    | ++-                        | 81 82       |  | +              | +      | - -  | ┨┞       |                | 31<br>32      | +        | +        | $\vdash \vdash$ |                | $\dashv$ | $\dashv$ | +          | 4   |
| 33                                       | <del>         </del>       | 83          | <del>                                     </del> | $\dashv$       | +      | $\vdash$   | ┨        |                | 33            | +        | +        | $\vdash$        | $\dashv$       | $\dashv$ | +        | ┿          | 1   |
| 34                                       | 111                        | 84          |  | 十              | $\top$ | - -  | 1        |                | 34            | +        | +        | $\vdash \vdash$ | $\dashv$       | +        | +        | +          | 1   |
| 35                                       |                            | 85          |  |                |        |  | ] [      | . 11           | 35            |          |          |                 |                |          | $\top$   |            | j   |
| 36                                       |                            | 86          | Ш  | $\bot$         |        |  | ] [      |                | 36            | $\perp$  | $\perp$  |                 | $\Box$         | $\Box$   |          | Ţ          | ]   |
| 37 38                                    | ++                         | 87<br>88    |  | -              | _      | <del>                                     </del> | ┧┟       |                | 37            | _        | - -      | $\sqcup$        | _              | 4        | $\dashv$ | _          |     |
| 39                                       | +                          | 89          |  |                |        | ├┼   | 1 H      |                | 38<br>39      | +        | +-       | $\vdash\vdash$  | -+             | -        | $\dashv$ | -          | 1   |
| 40                                       | + + +                      | 90          |  | $\dashv$       | +      | $\vdash$   | 1        |                | 40            | +        | +-       | Н               | ᆉ              | ᅱ        | 十        | ╁          | †   |
| 41                                       | $\Box$                     | 91          |  |                | $\top$ |  | 1 h      |                | 41            | $\dashv$ | $\dashv$ | Н               | $\neg$         | ヿ        | $\dashv$ | +          | 1   |
| 42                                       | Ш                          | 92          |  | 丁              |        |  | ] [      |                | 42            |          |          | $\Box$          | $\Box$         |          |          |            |     |
| 43                                       |                            | 93          | $\Box$   | $\perp$        | ╄-     | -  | <b>↓</b> |                | 43            | 4        | 4_       |                 |                |          | 4        | 丄          |     |
| 44 45                                    | ++-                        | 94 95       |  |                | +-     | - -  | ┨╟       |                | 44            | +        | +        | $\vdash \vdash$ | -              |          | +        | +          | 4   |
| 46                                       | ++                         | 96          | $\vdash \vdash \vdash$                           | +              | +      | $\vdash\vdash$                                   | ┨┞       |                | 46            | $\dashv$ | +        | $\vdash$        |                | $\dashv$ | -+       | ╁          | 1   |
| 47                                       | 1                          | 97          |  | $\dashv$       | $\top$ |  | 1        |                | 47            | +        | +        | $\vdash \vdash$ | 十              | -        | $\dashv$ | +          | 1   |
| 48                                       |                            | 98          |  |                |        |  | ] [      | _ 1            | 48            | 土        |          |                 |                |          | 丁        | 上          | 1   |
| 49                                       | $\Box$                     | 99          | $\sqcup \!\! \sqcup \!\! \sqcup \!\! \sqcup$     | $\bot$         | $\bot$ |  | 1 [      |                | 49            | $\bot$   | I        | П               | $\Box$         | $\Box$   | $\bot$   | $\perp$    | ]   |
| 50                                       |                            | 100         | لبل  |                |        | LL.  | JL       |                | 50            | Д.       | $\perp$  | Ш               |                | $\perp$  | ᆚ        | <u>L</u> . | j   |
|  |                            | _           |  |                |        |  |          |                |               |          |          |                 |                |          |          |            |     |

Application No.

**Index of Claims** 

Applicant(s)